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# **VOCATIONAL EDUCATION**

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## **Montana Office of Public Instruction Fiscal Year 1985 Accountability Report**

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State Capitol  
Helena, Montana

July 1986

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## SECTION I

### ACCOMPLISHMENTS - VEA and JTPA COORDINATION

#### Results of VEA and JTPA Coordinating Efforts

The first full year of VEA/JTPA ended June 30, 1985. All in all, the year went much smoother and the coordination between VEA and JTPA was much better than it had been the prior year, when JTPA was in a transitional state from the old CETA legislation. JTPA rules and regulations were better understood and communicated. Program operators were more comfortable under the new act. However, vocational education was still not able to secure funding from any JTPA source except the 8 percent educational set aside provided by section 123 of the JTPA Act.

The State Director for Vocational Education sat as a voting member on the new nine-member State Job Training Coordinating Council and a representative of the JTPA administrative entity as appointed to the State Vocational Education Advisory Council.

The Office of Public Instruction (OPI) and the Department of Labor and Industry (DOL) agreed on the usage of 8 percent funds. One subgrant (5012.D) was given to OPI by DOL. OPI provided the required match from vocational education funds and local cash and in kind. In addition, OPI funded many of the JTPA Displaced Homemaker programs, which was not reported as a cash match for JTPA.

The OPI provided the training while the JTPA operators did the eligibility determination, referral and job placement.

The subgrant closed out at 99.9 percent of planned. A total of 1,457 participants were served. Of these, 1,220 were adults and 237 were youths. The total cost to serve these participants was \$901,139.72. JTPA cost for this training was \$546,029, or \$374.76 per participant. Vocational education paid \$365,826.01 and local districts contributed \$122,149.28. The true cost of training was \$618.49 per participant. JTPA was able to secure \$901,140 worth of training for its participants for a mere \$546,029. The average wage at placement was \$5.55 per hour. The adult wage at placement was \$6.37 per hour and the youth wage at placement was \$3.81.

There were 19 coordinated programs funded during this year. Of these, 18 programs provided direct services to JTPA participants and one provided indirect services. World of Work training, prevocational adult basic education and vocational skills training were the three types of programs offered. Four skills training programs were operated, which provided skills training to 409 participants. The rest of the participants were provided prevocational types of training programs.

The performance rates exceeded the JTPA performance standards with one program reporting a 97 percent placement rate.

## SECTION II

### MEN AND WOMEN ENTERING INTO TRAINING AND EMPLOYMENT

#### Secondary

The following four tables describe the secondary and postsecondary statistics of men and women entering into training and programs. Some of the tables compare fiscal year 1984 figures with fiscal year 1985 figures. The interpretation of Montana enrollment statistics must be done cautiously. The small number of enrollment in some programs can have a large effect on the calculated percentages. Another factor that appears to have an influence on the calculations is the drop in the number of male students taking trades and industry vocational programs. It is believed that the increased emphasis on academic course work is related to this factor. A large number of Montana high schools have enrollments of less than 100 students. Many trades and industry programs require a two-hour block of time. A small school will have schedule conflicts between the two-hour block of time for the trades and industry programs and required academic course work.

Fiscal Year 1984 Compared with Fiscal Year 1985  
Female Secondary Percent Enrollment

<u>Program</u>	<u>Female FY-84</u>	<u>Female FY-85</u>	<u>Percent Change</u>
Agriculture	12.7	16.5	+3.8
Distributive	57.1	59.6	+2.5
Office Occupations	78.9	75.4	-3.5
Occupational Home Economics	88.2	81.0	-7.2
Trades and Industry	8.2	6.3	-2.5
Industrial Arts	7.8	10.9	+3.1

("+" represents an increase and "-" a decrease)

It is believed that the two-year comparison shown in the above table does not reflect a significant shift in population statistics. The female dominance in the vocational programs of Office Occupations and Occupational Home Economics appears to have diminished. The male dominance in Agriculture appears to have been reduced. Since there is a similarity between trades and industry compared with industrial arts, the female percent enrollments tend to counter each other; consequently, no shift.

Fiscal Year 1984 Compared with Fiscal Year 1985  
Female Secondary Percent Completers

<u>Program</u>	<u>Female FY-84</u>	<u>Female FY-85</u>	<u>Percent Change</u>
Agriculture	8.4	10.9	+2.5
Distributive	49.7	58.8	+9.1
Office Occupations	83.3	80.5	-2.8
Occupational Home Economics	72.2	65.2	-7.0
Trades and Industry	4.5	2.6	-1.9
Industrial Arts	4.8	10.3	+5.5
Consumer Homemaking	70.5	71.0	+0.5

("+" represents an increase and "-" a decrease)

The above comparisons do not reflect a significant change. The tendencies noted for the female secondary enrollment appear to be the same for the above table.

#### Postsecondary

The following is a summary of fiscal year 1985 vocational-technical center enrollments by head count based on the second quarter (fall) 12th day report.

#### Fiscal Year 1985 Vocational-Technical Center Head Count Enrollments--Male and Female

<u>Program</u>	<u>Male</u>	<u>Female</u>
Agriculture	60	2
Distributive	43	42
Office Occupations	235	1144
Health Occupations	60	333
Occupational Home Economics	36	15
Technical	110	5
Trade and Industry	850	29
TOTAL:	1394	1570

The total percent male and female at the five vocational-technical centers for fiscal year 1984 was compared with fiscal year 1985 percentages. The enrollment ratio of male to female was the same for both years. There were generally small variations (about 2 percent) within the individual program areas. The percent males did make a 10 percent increase in the food service occupations (Occupational Home Economics) in fiscal year 1985; however, the increase may be attributed to the small number of students enrolled in the program.

The following table is a summary of fiscal year 1985 vocational-technical center completers.

#### Fiscal Year 1985 Vocational-Technical Center Male and Female Completers

	<u>Male</u>	<u>Female</u>
Agriculture and Forestry	31	1
Distributive	8	10
Office Occupations	26	211
Health Occupations	35	210
Occupational Home Economics	5	2
Technical	47	7
Trade and Industry	399	7
TOTAL:	551	448

The above completer data was compared with fiscal year 1984. The fiscal year 1985 data shows a total reduction in female completers of 74 compared with 1984. Nearly the entire reduction can be traced to a reduction of female completers in Office Occupations. There was a decrease of 126 in the total number of completers in fiscal year 1985 compared with 1984.

### SECTION III

#### ACTIVITIES OF LOCAL ADVISORY COUNCILS

##### Local Advisory Councils

In fiscal year 1985, 32 secondary schools received on-site evaluations. One of the evaluative instruments was concerned with advisory committees. The following table indicates the findings of two of the items.

<u>Question</u>	<u>Yes</u>	<u>No</u>
1. Is the organization and utilization of advisory committee members outlined in writing (board policy)?	8	24
2. Does the program evaluation have broad-based involvement (advisory committee, administration, teachers, students)?	17	15

The Carl Perkins Vocational Education Act no longer requires local advisory councils; however, councils are encouraged. The Montana state regulations still require an advisory council; consequently, the existence of councils and their contributions are examined during the on-site evaluations. As noted in the above results, some schools were found lacking advisory councils. This deficiency was noted in the on-site exit interview and the written evaluations. The schools with the deficiencies responded in writing as to the corrections they have taken. The school districts indicated that the school boards have adopted written policies on the utilization of vocational advisory councils.

At the end of fiscal year 1985 each of the five vocational-technical centers responded to a self-evaluation. All centers indicated that "...all programs have active advisory committees with annual minutes on record."

## SECTION IV

### PROJECTED ENROLLMENTS COMPARED WITH ACTUAL

#### Secondary

The Montana 1985 State Plan (pages 11-84) projected a secondary vocational enrollment of 26,085, which is a duplicate count. For example, a student may enroll in vocational agriculture and office occupations; consequently, the one individual is counted twice. The actual 1985 count was 24,861.

It appears that the error is a result of increased emphasis and requirements for academic course work. An indication of this result is the large decrease of male students in grades 11 and 12 in the vocational offering of trades and industry. These vocational offerings usually occur in two-hour blocks for juniors and seniors. The small Montana high schools do not have flexibility in their course scheduling, thus the competition for time. The Office of Public Instruction staff that approve vocational programs have detected the trend to have an eight class period day. This trend may help to alleviate the competition for available times.

The following two tables are based on statewide results and are unduplicated counts. Part A enrollments are for grades 11 and 12. The second table, complete, is for grade 12 students. The third table depicts the fiscal year 1985 summary of the five Montana vocational-technical centers.

1985 MONTANA SECONDARY - GRADES 11 AND 12

PAGE 1

VES6 VES PART A TOTAL ENROLLMENT BY RACE AND SEX

PROGRAM DESCRIPTION	TOTAL	1 M	1 F	2 M	2 F	3 M	3 F	4 M	4 F	5 M	5 F
AGRICULTURAL MECHANICS, GENERAL	0	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL PRODUCTION, GENERAL	1375	65	0	0	0	0	0	0	0	1047	151
FORESTRY, PRODUCTION & PROCESSING, GEN.	2574	11	82	0	0	0	0	0	0	582	1453
SECRETARIAL & RELATED PROGRAMS, GEN.	2371	44	54	2	15	0	0	1	6	52	1453
ELECTRICAL REFRIGERATION	457	10	10	0	0	0	0	0	2	3	153
COMMUNICATIONS	49	0	0	0	0	0	0	0	0	23	21
TELEVISION/VIDEOGRAPHY	0	0	0	0	0	0	0	0	0	0	0
CONSUMER ECONOMICS	0	0	0	0	0	0	0	0	0	0	0
CONSUMER ECONOMICS, ADVANCED	0	0	0	0	0	0	0	0	0	0	0
CONSUMER ECONOMICS, MARKETING	0	0	0	0	0	0	0	0	0	0	0
CONSUMER ECONOMICS, MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0
CONSUMER ECONOMICS, SERVICE	0	0	0	0	0	0	0	0	0	0	0
CONSUMER ECONOMICS, GENERAL	90	0	0	0	0	0	0	0	0	10	74
CHILD CARE	125	0	0	0	0	0	0	0	0	0	0
CHILD CARE, APPROPRIATE	0	0	0	0	0	0	0	0	0	0	0
CHILD CARE, MANAGEMENT	0	0	0	0	0	0	0	0	0	0	0
CHILD CARE, SERVICE	0	0	0	0	0	0	0	0	0	0	0
CHILD CARE, GENERAL	101	7	14	0	0	0	0	0	0	20	55
FOOD PRODUCTION, MGT & SERVICES, GEN.	0	0	0	0	0	0	0	0	0	0	0
FOOD PRODUCTION, MGT & SERVICES, GEN.	0	0	0	0	0	0	0	0	0	0	0
VOCATIONAL MGMT & SERVICES, GEN.	0	0	0	0	0	0	0	0	0	0	0
VOCATIONAL MGMT & SERVICES, GEN.	0	0	0	0	0	0	0	0	0	0	0
OCCUPATIONALLY ORIENTED INDUSTRIAL ARTS	0	0	0	0	0	0	0	0	0	0	0
CARPENTRY/CONSTRUCTION	0	0	0	0	0	0	0	0	0	0	0
DRAFTING	0	0	0	0	0	0	0	0	0	0	0
ELECTRICITY/ELECTRONICS	0	0	0	0	0	0	0	0	0	0	0
ENERGY, POWER, TRANSPORTATION	0	0	0	0	0	0	0	0	0	0	0
GRAPHIC COMMUNICATIONS	0	0	0	0	0	0	0	0	0	0	0
MANUFACTURING/MATERIALS PROCESSING	0	0	0	0	0	0	0	0	0	0	0
TEXTILES, INCLUDING COMBINED PROGRAM	0	0	0	0	0	0	0	0	0	0	0
CARPENTRY	361	0	0	0	0	0	0	0	0	347	7
ELECTRICAL & ELECTRONICS EQUIP REPAIR	158	2	0	0	0	0	0	0	0	145	7
ELECTRICAL BODY REPAIR	154	0	0	0	0	0	0	0	0	54	0
AUTOMOTIVE MECHANICS	1043	30	1	0	0	0	0	2	0	959	43
SMALL ENGINE REPAIR	49	0	0	0	0	0	0	0	0	44	0
DRAFTING, GENERAL	305	6	0	0	0	0	0	0	0	259	40
GRAPHIC & PRINTING COMMUNICATIONS	171	4	0	0	0	0	0	0	0	153	12
PRESSION METALWORK, GEN.	0	0	0	0	0	0	0	0	0	0	0
MACHINE TOOL OPERATION	223	1	0	0	0	0	0	0	0	217	0
WELDING	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL COOPERATIVE TRAINING	0	0	0	0	0	0	0	0	0	0	0
TOTAL	9,882	195	187	8	20	8	7	19	19	4,950	4,454



1985 MONTANA SECONDARY

PAGE 1

PROGRAM DESCRIPTION	TOTAL COMPL	1 M	1 F	2 M	2 F	3 M	3 F	4 M	4 F	S M	S F
VE59 VEDS PART A COMPLETERS BY RACE AND SEX											
AGRICULTURAL MECHANICS, GENERAL	0	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL PRODUCTION, GENERAL	198	5	0	0	0	0	0	0	0	175	20
FINESTRIAL PRODUCTION & PROCESSING, GEN.	15	0	0	0	0	0	0	0	0	15	0
SECRETARIAL & RELATED PROGRAMS, GEN.	528	1	18	1	0	0	0	1	0	108	348
CERICAL OFFICE PRACTICE	514	1	0	0	0	0	0	0	0	108	348
GENERAL MARKETING, OTHER	187	2	2	0	0	0	0	0	0	75	107
RADIO/TELEVISION BROADCASTING	1	0	0	0	0	0	0	0	0	0	0
CONSUMER & HOME MAKING ECONOMICS	1	0	0	0	0	0	0	0	0	0	0
CLOTHING APPAREL, PROD & SERV GEN.	5	0	0	0	0	0	0	0	0	0	0
FOOD PRODUCTION, MGT & SERV GEN.	13	0	3	0	0	0	0	0	0	0	0
VOCATIONAL HOME ECONOMICS, SERVICES, GEN.	0	0	0	0	0	0	0	0	0	0	0
CAREER/INDUSTRIALLY ORIENTED INDUSTRIAL ARTS	0	0	0	0	0	0	0	0	0	0	0
CARPENTRY/CONSTRUCTION	0	0	0	0	0	0	0	0	0	0	0
PAINTING/ELECTRONICS	0	0	0	0	0	0	0	0	0	0	0
ELECTRIC COUPLERS/COUPLERS	0	0	0	0	0	0	0	0	0	0	0
ELECTRIC COMMUNICATIONS	0	0	0	0	0	0	0	0	0	0	0
WATER/CONCRETE/WATERWAYS PROCESSING	0	0	0	0	0	0	0	0	0	0	0
OTHER INCLUDING COMBINED PROGRAM	117	0	0	0	0	0	0	0	0	0	0
CARPENTRY & ELECTRONICS EQUIP REPAIR	40	0	0	0	0	0	0	0	0	0	0
ELECTRONIC BODY REPAIR	0	0	0	0	0	0	0	0	0	0	0
AUTOMOTIVE MECHANICS	297	0	0	0	0	0	0	0	0	0	0
SMALL ENGINE MECHANICS	16	0	0	0	0	0	0	0	0	0	0
DRAFTING, GENERAL	54	0	0	0	0	0	0	0	0	0	0
GRAPHIC & PRINTING COMMUNICATIONS	17	0	0	0	0	0	0	0	0	0	0
PRESS/STATION METALWORK, GEN.	37	0	0	0	0	0	0	0	0	0	0
MACHINE TOOL OPERATION	47	0	0	0	0	0	0	0	0	0	0
WELDING	0	0	0	0	0	0	0	0	0	0	0
INDUSTRIAL COOPERATIVE TRAINING	2,093	27	32	2	3	1	1	8	1	1,053	763
		==	==	==	==	==	==	==	==	==	==





<u>CIP</u>	<u>Program</u>	<u>Predicted*</u>	<u>Actual</u>
48.0503	Machine Tool Oper.	45	37
48.0508	Welding	125	117
49.0202	Heavy Equip. Operator	<u>26</u>	<u>21</u>
	TOTAL	2,616	2,529

\* 1985 Montana State Plan pages 11-12 to 11-16

The actual enrollment is less than projected. The reason for the lower Full Time Equivalent enrollment is because of the increase in part-time and adult students. A contributing factor of lower than anticipated enrollments may have been that people lack the financial resources to make a full-time commitment to vocational education.

The following is the projected and actual number of vocational-technical center program completers.

FY 84 VOCATIONAL-TECHNICAL CENTER  
PROJECTED\* AND ACTUAL COMPLETERS

<u>CIP</u>	<u>Program</u>	<u>Projected</u>	<u>Actual</u>
01	Agriculture	18	26
03	Renewable Natural Resources	8	6
06	Midmanagement	13	9
06	Business and Office	337	242
08	Marketing and Distribution	3	9
15	Engineering-Related Technology	25	54
17	Allied Health	225	245
20	Vocational Home Economics	33	7
46	Construction Trades	10	22
47	Mechanics and Repairers	309	290
48	Precision and Production	127	78
49	Transportation & Material Moving	<u>17</u>	<u>11</u>
	TOTAL	1,125	999

Many of the same reasons previously mentioned for the decline in vocational-technical enrollment also apply to the decline in the number of actual completers.

The Montana University System administers vocational offerings in the three community colleges. The colleges are located in Glendive, Kalispell and Miles City. One of the four-year collegiate institutions, namely Northern Montana College, offers two-year vocational programs.

SECTION V  
MONTANA VOCATIONAL EDUCATION--INSTITUTIONS AND FUNDING

Introduction

In fiscal year 1985, Montana had 163 high school districts. Of this number, 121 high schools had state-approved vocational education programs. There are five vocational-technical centers located in Billings, Butte, Great Falls, Helena and Missoula. The Superintendent of Public Instruction has selective regulatory control over the high schools and center vocational programs.

The Montana State Occupational Information Coordinating Committee (SOICC) prepared the Montana Supply/Demand Report third edition which will be published June 30, 1986. The supply portion lists the above-named institutions as well as the supply produced by proprietary schools, vocational rehabilitation, Job Training Partnership Act (JTPA) and Job Corps. The number of persons vocationally trained each year is indicated by Classification of Instruction Program (CIP).

Secondary

Projected and actual vocational expenditures are shown below. The expenditures for FY 1985 are separated by the two-digit CIP code.

FY 85 SECONDARY FEDERAL AND STATE AND LOCAL PREDICTED  
AND ACTUAL EXPENDITURES--CIP CODE

<u>CIP</u>	<u>Program</u>	<u>State and Local</u>	
		<u>Predicted*</u>	<u>Actual**</u>
		FY 85	FY 85
01	Agribusiness & Agr. Prod.	2,136,565	2,402,653
03	Renewable Natural Resources	56,466	64,931
07	Business and Office	3,262,255	5,134,231
08	Marketing and Distribution	402,011	480,253
20	Vocational Home Economics	2,976,200	3,365,444
21	Industrial Arts	1,456,616	2,094,715
46-48	Trades and Industry	2,628,228	2,929,120
		<u>12,918,341</u>	<u>16,471,347</u>
		<u>Federal</u>	
20	Vocational Home Economics	84,898	84,962

\*pages 11-30 to 11-44 1985 State Plan

\*\*Final Payment P 3.VE-2.5ML

Postsecondary

The following represents predicted and actual expenditures for the five vocational-technical centers in Montana. Federal and state/local expenditures are identified by two-digit CIP.

FY 85 PREDICTED AND ACTUAL--FEDERAL AND ACTUAL  
FEDERAL AND STATE/LOCAL EXPENDITURES FOR THE FIVE  
VOCATIONAL-TECHNICAL CENTERS

<u>CIP</u>	<u>Program</u>	<u>Predicted*</u>		<u>Actual</u>	
		<u>Federal</u>	<u>State/Local</u>	<u>Federal</u>	<u>State/Local</u>
01	Agriculture	--	226,888	--	232,519.76
03	Natural Resources	--	134,536	--	104,399.16
06	Bus. & Mgt.	39,596	128,247	39,596	141,718.70
07	Bus. & Office	700,951	3,605,942	766,185	3,296,061.20
08	Mkt. & Dist.	9,016	55,543	9,016	74,792.48
15	Engineering	128,766	381,959	68,602	494,051.02
17	Health	183,163	1,172,399	183,163	1,688,429.14
20	Voc. Home Ec.	65,851	273,100	65,851	229,255.62
46	T & I	8,823	116,008	8,823	122,670.11
47	Mech. & Repair	20,048	1,994,731	20,048	2,519,595.90
48	Precision Prod.	--	971,927	--	735,348.98
49	Transportation	17,373	109,027	17,373	86,122.88
32	General	--	--	--	268,345.05
TOTAL:		1,173,587	9,170,307**	1,178,651	9,993,310 **

\*1985 State Plan pages 11-12 to 11-16.

\*\* Includes federal in total.

Expenditures in CIP programs include equipment, instruction, administration support, student services, media and plant. Within the total expenditure is revenue from local district mill levy amounting to \$1,187,109.00.

Difference in projected expenditure due to increase in local district support.

SECTION VI  
USES OF FUNDS

Percentages

The actual expenditures to mid-June 1986 will not meet all the required percentages. The funds are obligated and the required percentages will be attained by September 30, 1986. The FY 85 funds were carried over to FY 86 projects and will close June 30, 1986. The required percentages will be attained with these close-outs.

State/local funds equal or exceed 50 percent of annual plan expenditures for Section 102(a) activities on a statewide basis.

State/local funds totaled 16,471,347 which exceeded the federal funds of \$2,692,387.

At least 10 percent of allotments under Section 102(a) is expended for handicapped persons.

At present the percentage has not been attained; however, the percentage will be met with project close-outs.

At least 20 percent of allotments under Section 102(a) is expended for programs for disadvantaged persons, including limited English speaking persons.

At present the percentage has not been attained; however, the percentage will be met with project close-outs.

At least 15 percent of allotment under Section 102(a) is expended for postsecondary and adult programs.

The actual expenditure exceeded the required percentage.

No less than \$50,000 shall be expended from funds available under Section 120 of the Act for support of full-time personnel to perform functions relating to sex bias and sex discrimination.

The actual expenditure is \$50,000.

At least 20 percent of the federal funds under Section 130 shall be expended for vocational guidance and counseling.

At present the percentage has not been attained; however, the percentage will be met with project close-outs.

A state shall use at least one-third of funds available for programs of Section 150 to pay up to 90 percent of the cost of programs in economically depressed areas.

The actual expenditure met the requirement.

Match

The state and local match shown below is based on May 1986 data. Most of the projects have been closed; consequently, the state has the certified expenditure reports on local match. The state/local match exceeded the federal expenditure.

The State of Montana did meet the match requirements. It should also be noted that \$50,000 of federal funds spent under state administration did not require a state match (sex bias).

#### Maintenance of Effort

The Montana maintenance of effort was determined on a statewide basis. In fiscal year 1984, the state and local expenditures were \$14,646,144. In fiscal year 1985 state and local expenditures were \$16,471,347; consequently, Montana did maintain effort.

#### Subpart Use of Funds

The details on the expenditure and description of the various projects funded under the subparts are shown in Appendix A.

The following table is the use of federal and state funds for fiscal year 1985 administration.

#### EXPENDITURE OF STATE AND FEDERAL FUNDS FOR ADMINISTRATION--FY 1985

<u>Subpart</u>	<u>Description</u>	<u>State</u>	<u>Federal</u>
120	Disadvantaged	10,000	10,000
120	Handicapped	--	--
120	Sex Bias	--	50,000
120	State Administration	202,908	202,908
130	State Administration	44,500	
130	Curriculum	--	5,000
Section 140	Special Needs	--	10,000
Section 150	Consumer/Homemaking	10,000	10,000
Section 102d	Planning	<u>9,000</u>	<u>9,000</u>
	TOTAL	276,449	344,949

Source: Director of Budgeting--state funding was expended in the amount of \$39,565 more than was required for matching purposes.

FISCAL YEAR 1985 FUND EXPENDITURE  
SECTION 150

CONSUMER HOME MAKING  
DEPRESSED AREAS

LEA	90/10 for FY 85 Expenditures	
	<u>Projected</u>	<u>Actual</u>
Anaconda HS	2,847	4,174
Flathead HS	3,750	5,000
Bigfork HS	2,075	3,255
Cut Bank HS	1,669	2,225
Corvallis HS	2,063	3,490
Hot Springs HS	1,058	1,320
Lincoln Co. HS (Eureka)	3,190	4,253
Stevensville HS	3,540	4,720
Victor HS	882	1,269
Whitefish HS	5,535	6,656
Columbia Falls HS	<u>3,317</u>	<u>3,539</u>
TOTAL	29,926	39,901

Expenditure Calculation FY 85

Available 119,823  
X .33 = 39,901



FY 1985 HOME ECONOMICS PROJECTS  
PROJECTED AND ACTUAL

<u>LEA</u>	<u>Projected</u>	<u>Actual</u>
Dillon	493	803
Hardin	814	1,524
Lodge Grass	176	618
Chinook	374	556
Harlem	510	756
Townsend	128	211
Red Lodge	83	177
Bridger	84	140
Fromberg	137	223
Ekalaka	434	180
Great Falls	1,169	1,936
Cascade	388	851
Sand Coulee	42	73
Belt	121	325
Simms	204	324
Fort Benton	179	281
Big Sandy	201	333
Miles City	217	348
Scobey	156	124
Glendive	132	359
Baker	235	134
Plevna	50	76
Lewistown	309	495
Denton	274	77
Manhattan	272	165
Bozeman	586	920
Three Forks	472	812
Belgrade	309	435
Jordan	564	361
Browning	414	1,046
Box Elder	648	1,084
Havre	615	1,027
Rudyard	413	370
Whitehall	1,057	771
Boulder	239	146
Hobson	129	214
Arlee	88	166
Polson	368	557
St. Ignatius	291	167
Ronan	405	737
Helena	1,707	3,066
J & I	47	38
Troy	339	476
Libby	688	1,043
Sheridan	144	103
Twin Bridges	369	219
Circle	493	175
White Sulphur Springs	240	122

<u>LEA</u>	<u>Projected</u>	<u>Actual</u>
Missoula	3,632	5,260
Park	439	770
Clyde Park	70	187
Roundup	147	85
Melstone	51	32
Malta	320	534
Conrad	290	440
Broadus	0	0
Deer Lodge	476	739
Hamilton	657	1,044
Florence-Carlton	35	113
Sidney	350	319
Fairview	157	286
Culbertson	91	205
Wolf Point	356	506
Forsyth	208	359
Rosebud	142	210
Colstrip	772	569
Westby	81	116
Medicine Lake	38	101
Plentywood	90	166
Park City	89	129
Columbus	354	612
Absarokee	144	240
Big Timber	285	548
Choteau	310	220
Fairfield	354	167
Sunburst	61	125
Shelby	612	902
Hinsdale	70	116
Opheim	437	626
Glasgow	222	378
Nashua	209	337
Harlowton	422	303
Wibaux	135	263
Laurel	482	743
Broadview	108	67
Worden	306	299
Shepherd	156	271
Billings	2,782	1,530
TOTAL:	33,747	45,061

Special Consumer and Homemaking Projects

University of Montana--C632 Needs of Economically Disadvantaged Families	6,000	5,998
Montana State University--C633 Vocational Program Improvement for Consumer and Homemaking Programs	10,925	10,898
University of Montana-T873 Montana Home Economics Teachers Network	8,000	7,964



FISCAL YEAR 1985 FUND DISTRIBUTION  
Subpart 2--Section 120  
APPRENTICESHIP

LOCATION	CIP	PROGRAM TITLE	PLANNED		ACTUAL		PARTICIPANTS		PLANNED		ACTUAL		PLANNED		ACTUAL	
			HOURS	HOURS	HOURS	HOURS	MALE	FEMALE	FEDERAL	FEDERAL	FEDERAL	FEDERAL	MATCH	MATCH	MATCH	MATCH
Billings	46.9999A109D	Ironworkers	432	432			17	0	3,551.04	3,551.04	3,551.04	3,551.04	44,369	44,369	30,275.92	30,275.92
	46.0503A108D	Plumbing & Pipefitting	432	432			18	-	3,551.04	3,551.04	3,551.04	3,551.04	89,071	89,071	89,618.98	89,618.98
	46.0201A110D	Carpentry	288	288			41	2	2,367.36	2,367.36	2,367.36	2,367.36	23,267	23,267	25,653.39	25,653.39
	48.0506A112D	Sheet Metal	432	731			22	-	3,551.04	3,551.04	3,551.04	3,551.04	40,797	40,797	50,413.66	50,413.66
Butte	48.0506A134D	Sheet Metal	144	144			7	0	1,183.68	1,183.68	1,183.68	1,183.68	7,208	7,208	4,108.00	4,108.00
	46.9999A140D	Ironworkers	432	432			26	0	3,551.04	3,551.04	3,551.04	3,551.04	2,295	2,295	35,143.33	35,143.33
	48.0503A133D	Machinist	288	288			16	0	2,367.36	2,367.36	2,367.36	2,367.36	1,147	1,147	3,789.00	3,789.00
Great Falls	48.0506A117D	Sheet Metal	144	267			4	0	1,183.68	1,183.68	1,183.68	1,183.68	10,763	10,763	15,957.35	15,957.35
	46.0408A124D	Painters	144	108			5	1	1,183.68	887.76	887.76	887.76	4,532	4,532	3,159.91	3,159.91
	46.0408A141D	Painters (Statewide)	204	60			5	1	1,676.88	493.20	493.20	493.20	1,147	1,147	1,045.01	1,045.01
	46.0503A123D	Plumbing & Pipefitting	432	440			29	1	3,551.04	3,551.04	3,551.04	3,551.04	20,945	20,945	38,340.65	38,340.65
	48.0503A119D	Machinists	60	36			2	0	493.20	295.92	295.92	295.92	1,994	1,994	1,723.29	1,723.29
	47.0604A118D	Auto Mechanics	60	12			6	0	493.20	98.64	98.64	98.64	1,713	1,713	916.83	916.83
	46.0302A143D	Electricians (Statewide)	720	800			48	1	5,918.40	5,918.40	5,918.40	5,918.40	9,710	9,710	20,956.96	20,956.96
	47.0603A120D	Auto Body	60	21			6	0	493.20	172.62	172.62	172.62	1,147	1,147	1,306.91	1,306.91
	49.0202A105D	Heavy Equipment Operators	432	432			30	6	3,551.04	3,551.04	3,551.04	3,551.04	35,235	35,235	77,132.00	77,132.00
Helena	46.0201A101D	Carpentry (Statewide)	1,152	1,152			45	3	9,469.44	9,469.44	9,469.44	9,469.44	38,364	38,364	48,795.80	48,795.80
	47.0603A142D	Auto Body	144	60			18	0	1,183.68	493.20	493.20	493.20	570	570	3,530.00	3,530.00
	47.0501A125D	Power Plant Operator	432	432			20	5	3,551.04	3,551.04	3,551.04	3,551.04	17,779	17,779	12,778.96	12,778.96
Miles City	47.9999A126D	Power Plant Mechanic	432	387			10	4	3,551.04	3,181.14	3,181.14	3,181.14	12,302	12,302	13,287.75	13,287.75
	48.0506A129D	Sheet Metal	144	144			7	0	1,183.68	1,183.68	1,183.68	1,183.68	2,686	2,686	1,857.81	1,857.81
Missoula	46.0503A136D	Plumbing & Pipefitting	144	189			8	0	1,183.68	1,183.68	1,183.68	1,183.68	2,418	2,418	3,213.91	3,213.91
	46.0201A137D	Carpentry*	144	0			0	0	1,183.68	0	0	0	37,073	37,073	0	0
TOTAL							390	24	59,973.12	55,337.01	55,337.01	55,337.01	406,532	406,532	483,005.42	483,005.42

\*Did not operate

## SECTION VII

### EVALUATION

#### Local Planning

During fiscal year 1985 the Office of Public Instruction maintained a toll free telephone number to give technical assistance to teachers, administrators and others. Most of these calls could be classified as planning effort. The office maintained a telephone log on these incoming toll free calls. For example, in October 1984 there were 220 calls to the Department of Vocational Education Services. The various professional and support staff of the department were able to help the local institutions with their planning efforts.

During this same time interval the staff made on-site evaluations and reviewed vocational program plans and self-evaluations of current offerings. These efforts resulted in new vocational plans to correct legal and program deficiencies. Student and shop safety received emphasis. Those schools that received the on-site evaluations also indicated the implementation of their plans.

#### Student Achievement

Montana does not have a statewide competency testing program. The secondary and postsecondary youth groups such as VICA, FFA, OEA, DECA and FHA are an integral part of the various vocational programs.

The VICA (Vocational Industrial Clubs of America) had the Montana VICA Skill Olympics on April 15, 1985. Twenty-eight secondary students took the written automotive test. The mean score was 62.36, with a standard deviation of 14.0. This mean was 6.5 points lower than in fiscal year 1984. There appears to be a wide variance in the 1985 scores as indicated by the standard deviation. The 10 postsecondary students who took the written test had a mean score of 79.4, with a standard deviation of 6.6. This mean score was 1.5 points higher than fiscal year 1984 results.

The FFA (Future Farmers of America) had nine district contests between November 1984 and March 1985. The following is the approximate number of participants: Parliamentary Procedure 600, Livestock 300, Agronomy and Soil 300, Agricultural Management 300, Agricultural Mechanics and FFA Test 450. In April 1985, the state level contests were held in Great Falls. The following number of participants competed in the following: Livestock 203, Agricultural Mechanics 159, Agricultural Management 224, Parliamentary Procedure 26, and Agronomy 175.

The DECA (Distributive Education Clubs of America) had their Career Development Conference in March 1985. There were 205 students who took the test on economic literacy sponsored by the Joint Council on Economic Education. For the past five years the Montana students have scored 30 percent above the national norm.

Marketing Education students have reached minimum or above competency levels in the following occupational areas: Advertising Services and Display, Apparel and Accessories, Automotive Products and Services, Food Marketing, Finance and Credit, General Marketing, General Merchandising, and Restaurant Marketing/Management. Each of the occupational area tests contained test items relating to selling, human relations and a common core of marketing principles.

Oral and written entrepreneurship knowledge, skills, and attitudes and experience were presented by 20 Marketing Education students. Two students were selected to represent Montana at the national level Entrepreneurship Competitive Events at the National DECA Career Development Conference. In addition, a student was selected to represent Montana at the Career Development Conference in each of the eight contest areas listed above.

The Montana OEA (Office Education Association) has statewide competitive events for the secondary students. There are two general minimal standards that apply to the competitive events. One standard is that business/office production work must be "mailable." Other events that may address important job-related skills, such as speaking, have a minimum score of 70 percent.

In fiscal year 1985 the 280 OEA students competed in 33 test events. The combination of students and events results in 1,200 contest events. To receive state recognition and be eligible for national competition, a student must obtain a score of 90 percent or better. There were 392 placings that met the state recognition criteria. At the National OEA Leadership Conference, 11 of Montana's 30 participants placed in the top 20 places in the various contest events.

During fiscal year 1985 the Montana Association of Future Homemakers of America conducted 15 home economics proficiency contests at its State Leadership Conference, March 25-27, 1985. A total of 621 students participated in the events, with each student limited to one individual proficiency event. One student per event may enter national competition if they score 98 percent or above on the state level examination. Seven students entered national level competition and each student scored at or above the 80th percentile.

#### Special Populations

During fiscal year 1985 there were 19 disadvantaged projects which served the needs of 1,028 individuals. A Missoula County High School project served the needs of the Limited English Speaking students. These students were from families that came from Southeast Asia. Additional details on the disadvantaged projects may be found in the Appendix.

There were 15 handicapped projects that served the needs of 365 individuals. Additional details on the handicapped projects may be found in the Appendix.

Two projects were funded under Section 104. Both projects served the needs of Native Americans.

#### Evaluation for Program Improvement

In fiscal year 1985, 32 secondary schools received on-site evaluations. One of the evaluative instruments used is titled "An Evaluation for Vocational Education Programs in Montana." This 33-item instrument and specific program instruments were used at each site. Generally the Department Executive Assistant served as the on-site team leader and would review the administrative aspects of vocational education programs. Other team members were vocational education staff subject matter specialists of the Office of Public Instruction. At the conclusion of the on-site evaluation, an exit conference was held with the school's administrators, vocational teachers and advisory committee members. At the conference, information was shared and technical assistance was offered to the school. Several weeks after the on-site, a detailed written report was

sent to the school. Copies and comments of all the completed evaluation instruments were sent to the school. The school was to respond in writing of the corrective actions planned and/or implemented. These reports were shared with all team members. If the corrective actions were insufficient, additional technical assistance was given to the school.

While all schools receiving on-site evaluations fully comply with appropriate rules and regulations in any given year, trends over the past four years have been noted. Some trends are:

1. Increased effective use of advisory committees.
2. More efficient and effective use of vocational education shop organization, storage and management.
3. There has been increased emphasis on safety in the vocational programs. The most notable example is with the business/office programs. The hazards of loose electrical cords for typewriters and computers have been greatly reduced.
4. Access to vocational programs has been increased. A partial explanation of this success is through revised curricula.
5. Nearly all the vocational curricula is written with measurable objectives.
6. Nearly all the school district school boards have a written non-discrimination policy with grievance procedures.
7. Vocational teachers and school administrators have placed more emphasis on school-community communications and public relations.
8. In general, youth group membership has remained stable and/or increased slightly; however, participation in statewide contests and events has increased.

At the conclusion of the 1984-85 program year, each of Montana's five vocational-technical centers completed a self-evaluation. The evaluation instrument had 51 statements which each center addressed. In the previous year, there were three statements which had a frequency of being checked as a deficiency by two centers. At the end of the 1984-85 year, four statements were checked as deficiencies by two centers.

One of the three deficiencies from fiscal year 1984 was not corrected and three new deficiencies occurred which had a frequency count of two. The four deficiencies are:

- Is there a program for new instructors established to inservice new instructors?
- Does the center notify the public annually, through newsprint, that nondiscrimination practices are in effect for students and employees?
- Is the curricula competency based?
- Does equipment represent that found in the industry for which students are preparing to acquire jobs?



## Student and Employer Follow Up

### Secondary

In April 1985 all Montana senior secondary vocational education students completed a blue card, which provided past vocational course work completed and future mailing address. The card collected a self-reporting on the number of semesters of specific vocational education course work. In addition, the students were to report a probable mailing address for April 1986. Useable cards were obtained on 2,093 students.

The April 1985 blue card information was post coded with students having four or more semesters of a specific vocational program being determined a completer. Those with less course work were determined to be leavers. A student follow-up form was sent to all completers and leavers with a self-addressed, prepaid mailing envelope. Students were given the opportunity of allowing or not allowing the state to contact their employer.

The next two tables are the summary of the 1984-85 completers/leavers who provided follow-up information in May 1986. A comparison of the limited responses was made between fiscal year 1984 with 1985 data. The number responding in fiscal year 1985 was less than the year 1984. The comparisons were similar with two changes of note. The employed related increased 4 percent compared with the fiscal year 1984 results of 16 percent. The percent who sought additional education in fiscal year 1985 declined 5 percent over the 1984 level of 54 percent. With small numbers reporting, it is not possible to make any statistical inference.

## STUDENT FOLLOW-UP LEAVER REPORT PART A-2

## CIP DESCRIPTION

CIP DESCRIPTION	TOTAL	FULL MIL	EMP REL	EMP NR	ADUL ED	UN- EMPL	NIIF NPAE	STAT UNKN
AGRICULTURAL MECHANICS, GENERAL	0	0	0	0	0	0	0	0
AGRICULTURAL PRODUCTION, GENERAL	81	0	2	2	10	1	0	69
FORESTRY PRODUCTION & PROCESSING, GEN.	4	0	0	0	1	0	0	3
SECRETARIAL & RELATED PROGRAMS, GEN.	174	0	0	3	15	2	1	151
CERICAL OFFICE PRACTICE	205	0	2	3	11	2	1	179
GENERAL MARKETING, OTHER	90	0	7	5	14	1	0	82
RADIO/TELEVISION BROADCASTING	7	0	1	2	1	1	0	5
CONSUMER & HOME/MAKING ECONOMICS	0	0	0	0	0	0	0	0
CHILD CARE & GUIDANCE MGT & SERV, GEN.	0	0	0	0	1	0	0	0
CLOTHING, APPAREL, PROD & SERV, GEN.	3	0	2	0	1	0	0	1
FOOD PRODUCTION, MGT & SERVICES, GEN.	4	0	0	1	0	0	0	0
VOCATIONAL HOME ECON	0	0	0	0	0	0	0	0
OCCUPATIONALLY ORIENTED INDUSTRIAL ARTS	0	0	0	0	0	0	0	0
CARPENTRY/CONSTRUCTION	0	0	0	0	0	0	0	0
DRAFTING	0	0	0	0	0	0	0	0
ELECTRICITY/ELECTRONICS	0	0	0	0	0	0	0	0
ENERGY, POWER, TRANSPORTATION	0	0	0	0	0	0	0	0
GRAPHIC COMMUNICATIONS	0	0	0	0	0	0	0	0
MANUFACTURING/MATERIALS PROCESSING	0	0	0	0	0	0	0	0
OTHER, INCLUDING COMBINED PROGRAM	21	0	0	0	2	0	0	17
CARPENTRY & ELECTRONICS EQUIP REPAIR	1	0	0	0	2	0	0	1
ELECTRICAL BODY REPAIR	1	0	0	0	2	0	0	1
AUTOMOTIVE MECHANICS	67	0	0	1	5	0	0	59
SMALL ENGINE REPAIR	1	0	0	1	0	0	0	1
GRAPHIC DESIGNING COMMUNICATIONS	24	0	1	1	2	0	0	21
GRAPHIC DESIGNING COMMUNICATIONS	17	0	1	2	1	0	0	14
MACHINE TOOL OPERATION	15	0	0	0	1	0	0	14
INDUSTRIAL COOPERATIVE TRAINING	12	0	0	0	0	0	0	12
	777	3	16	18	57	7	2	654

Full MIL = Military Service Full Time  
 IMP REL = Employed Related to Training  
 IMP NR = Employed Not Related to Training  
 ADDL ED = Additional Education  
 UN EMPL = Unemployed  
 NIIF = Not in Labor Force  
 STAT UNKN = Status Unknown

## STUDENT FOLLOW-UP COMPLETER REPORT PART A-1

CIP DESCRIPTION	TOTAL	FULL MIL	EMP REL	EMP NR	ADUL ED	UN- EMPL	NILF NP/E	STAT UNKN
AGRICULTURAL MECHANICS, GENERAL	0	0	0	0	0	0	0	0
AGRICULTURAL PRODUCTION, GENERAL	198	0	0	0	10	0	1	175
FORESTRY PRODUCTION & PROCESSING, GEN.	15	0	0	0	1	0	1	13
SECRETARIAL & RELATED PROGRAMS, GEN.	528	0	17	12	38	2	2	433
SECRETARIAL OFFICE PRACTICE	514	1	19	15	69	2	2	404
GENERAL MARKETING, OTHER	187	0	3	0	0	0	0	166
RADIO/TELEVISION BROADCASTING	1	0	0	0	0	0	0	1
CONSUMER & HOME MAKING, ECONOMICS	1	0	0	0	0	0	0	1
CLOTHING & GUIDANCE, MGT & SERV, GEN.	5	0	0	0	0	0	0	5
FOOD PRODUCTION, MGT & SERV, GEN.	13	0	0	0	0	0	0	12
VOCATIONAL HOME ECON, & SERVICES, GEN.	0	0	0	0	0	0	0	0
OCCUPATIONALLY ORIENTED INDUSTRIAL ARTS	0	0	0	0	0	0	0	0
CARPENTRY/CONSTRUCTION	0	0	0	0	0	0	0	0
PAINTING/ELECTRONICS	0	0	0	0	0	0	0	0
ELECTRIC POWER TRANSPORTATION	0	0	0	0	0	0	0	0
VEHICLE CONSTRUCTION	0	0	0	0	0	0	0	0
GRAPHIC COMMUNICATIONS PROCESSING	0	0	0	0	0	0	0	0
MANUFACTURING/MATERIALS PROCESSING	0	0	0	0	0	0	0	0
OTHER INCLUDING COMBINED PROGRAM	117	5	4	4	4	0	0	99
ELECTRICAL & ELECTRONICS EQUIP REPAIR	40	0	1	0	2	0	0	37
ELECTRICAL BODY REPAIR	297	0	10	10	15	6	1	242
AUTOMOTIVE MECHANICS	16	0	0	0	0	0	0	16
SMALL ENGINE REPAIR	56	0	2	0	0	0	0	54
DRAFTING & PRINTING COMMUNICATIONS	37	1	1	1	0	0	0	35
GRAPHIC & PRINTING COMMUNICATIONS	0	2	0	0	0	0	0	0
PRESSIGN METALWORK, GEN.	47	0	0	0	0	0	0	47
MACHINE TOOL OPERATION	0	3	0	0	0	0	0	0
WELDING	0	0	0	0	0	0	0	0
INDUSTRIAL COOPERATIVE TRAINING	2,093	16	71	57	175	22	13	1,739

Full MIL = Military Service Full Time  
 EMP REL = Employed Related to Training  
 EMP NR = Employed Not Related to Training  
 ADUL ED = Additional Education  
 UN EMPL = Employed  
 NILF = Not in Labor Force  
 STAT UNKN = Status Unknown

On June 20, 1986, the number of returns from secondary completer employers was tabulated. The results are shown below, aggregated by broad two-digit CIP classifications.

EMPLOYER FOLLOW UP ON SCHOOL YEAR 1984-85  
MEAN SCORES--SECONDARY STUDENTS--COMPLETERS

Training Area	Number Students Rated	Technical Knowledge	Work Attitude	Work Quality	Overall Rating
Agricultural Mech.	1	3.0	4.0	4.0	4.0
Mkt. & Dist.	1	4.0	4.0	4.0	5.0
Bus. & Office	19	4.0	3.9	3.9	4.0
T & I	11	4.0	3.6	3.7	3.6

Numerical Values:

5 = Very Good  
4 = Good  
3 = Average  
2 = Poor  
1 = Very Poor

The following table is the secondary completer wages as reported by the students in May 1986. These students completed their training in June 1985.

MONTANA SECONDARY COMPLETER WAGES FOR  
THE SCHOOL YEAR FISCAL YEAR 1985

Training Area	No. Male	No. Female	Male Mean Per Hour	Female Mean Per Hour
Agr. Production	5	1	4.43	3.55
Sec. and related	1	12	8.33	4.27
Clerical Office	2	15	3.35	4.58
Marketing	2	1	3.97	4.00
Auto Mechanics	14	1	4.10	5.00
Drafting	2	--	3.60	--
Precision Metalwork	1	--	4.35	--
Electrical & Electron.	3	--	4.50	--

Postsecondary

The next three tables are concerned with postsecondary completers.



FY 1985 VOCATIONAL-TECHNICAL CENTER COMPLETER FOLLOW-UP REPORT  
EMPLOYMENT STATUS FOLLOW UP BY TWO-DIGIT CIP

CIP *	COMPLETERS SINGLE SAMPLE	MILITARY SERVICE	EMPLOYED RELATED TO TRAINING	EMPLOYED NOT RELATED TO TRAINING	PURSuing ADDITIONAL EDUCATION	UNEMPLOYED SEEKING EMPLOYMENT	NOT IN LABOR FORCE	STATUS UNKNOWN
01 Agr.	26		23	1				2
03 Nat. Resrc.	6		1			3		2
06 Bus. & Mgt.	8		4		3			1
07 Bus. & Off.	229		111	19	5	26	7	61
08 Mkt. & Dist.	9		2			1		6
15 Engineering	45		14	5	6	3	1	16
17 Health	204	18	136	12	10	7	6	15
20 Voc. H.E.	3		3					
46 I and I	22		9	4	1	3		5
47 Mech. & Rep.	295		116	40	18	12	2	107
48 Prec. Prod.	87		39	4	6	5	1	32
49 Insnptn.	11		3					8
TOTAL	945	18	461	85	49	60	17	255

\*CIP Classification of Industrial Program

The above data does not appear logical when compared with 1984 data. The fiscal year 1985 data depicts a higher percent of the completers who found employment related to their training. This fact is hard to explain with the slow economy in Montana. A possible explanation is that completers found employment out of state. One fact was found to prove that possible explanation. Aviation Mechanics did find high-paying employment working on the B-1 Bomber in California.

1985 MONTANA VOCATIONAL-TECHNICAL CENTER  
COMPLETER REPORTED WAGES

<u>CIP*</u>	<u>Program</u>	<u>Number</u>	<u>Mean \$ Per Hour</u>
01.0201	Agri-Diesel Mechanics	9	6.02
03.0501	Forestry Technology	1	10.50
06.1401	Mid-Management	3	7.00
08.0102	Fashion Merchandising	2	4.00
17.0101	Dental Assistant	9	4.94
17.0605	Practical Nurse	56	6.05
17.0602	Nurse Assistant	14	5.07
17.0210	Respiratory Therapy	16	7.63
17.0211	Surgical Technology	8	6.00
20.0403	Dinner/First Cook	7	4.87
07.0101	Accounting/Bookkeeping	19	5.20
07.0301	Business Data Processing	7	5.51
07.0702	Clerk/Typist	10	4.88
07.0305	Computer Operator/Programmer	1	6.50
07.0302	Data Entry/Computer Operator	16	5.81
07.0303	Data Entry Operator	2	4.50
07.0698	Information Processing	2	6.30
07.0699	Legal Typist/Transcriptionist	1	5.77
07.0707	Medical Receptionist	4	4.75
07.0699	Medical Transcriptionist	1	4.50
07.0606	Secretary--Executive	3	4.18
07.0604	Secretary--Legal	11	5.73
07.0605	Secretary--Medical	7	5.74
07.0607	Secretary--Stenographer	8	5.76
07.0608	Word Processing	20	5.16
47.0201	Air Conditioning and Refrig.	4	5.46
47.0603	Auto Body Repair	2	7.00
47.0604	Auto Mechanics	6	4.50
47.0602	Aviation Maint. Technician	15	10.09
46.0201	Carpentry	11	5.93
15.0201	Civil Engineering Technology	1	5.91
48.0508	Combination Welding	6	6.69
47.0605	Diesel Mechanics	9	6.48
48.0101	Drafting	7	5.86
15.0302	Electrical Technology	2	6.30
15.0303	Electronics Technology	12	6.96
47.0302	Heavy Equipment Mechanic	6	5.00
49.0202	Heavy Equipment Operator	3	7.50
47.0105	Industrial Electronics	14	7.79
48.0503	Machine Shop Technology	5	6.11
47.0699	Truck & Diesel Mechanic	3	9.67

\*CIP Classification of Instruction Program

The number of students that reported their wages was small; thus there was no differentiation made between the wages reported between the men and women. The limited data of mean wages of the men compared with the women in the same program did not appear to be significant.

VOCATIONAL-TECHNICAL CENTER EMPLOYER FOLLOW UP  
ON FY 85 COMPLETERS\*

CIP**	No. of Employers	Technical Knowledge	Work Attitude	Work Quality	Overall Rating
01 Agriculture	1	4.0***	4.0	4.0	4.0
06 Bus. & Mgt.	2	4.0	4.5	4.5	4.0
07 Bus. & Office	48	3.9	4.2	4.0	4.0
15 Engineering	7	3.8	4.3	4.1	3.8
17 Health	66	4.1	4.3	3.8	4.1
20 Voc. Home Ec.	4	3.8	3.8	3.8	3.8
47 Mech. & Repair	7	4.0	4.4	3.9	4.0
48 Precision Prod	2	4.5	5.0	4.5	4.0

\* Helena Vocational-Technical Center did not supply employer follow-up information.

\*\* CIP=Classification of Information Program

\*\*\* See page 24 for numerical values.

There were few employers who responded to the postsecondary follow up. The data for fiscal years 1984 and 1985 were aggregated by the two-digit CIP. There were only two CIP areas that had adequate response rate. The two areas which had more than 38 respondents over the two years were business and office and health related. For both years the health-related area received the highest "Overall Rating." It is assumed that employers are pleased with the vocational-technical student completers.

## SECTION VIII

### Montana Council on Vocational Education

The Montana State Council on Vocational Education did not write recommendations for vocational education for fiscal year 1985. The council will use the provisions of the rules and regulations implementing the Carl Perkins Vocational Education Act (FR 401.16b9i A and B). These regulations provide for "At least once every two years..." Consequently, recommendations will be written for fiscal year 1986.

## SECTION IX

### Exemplary Programs

The State of Montana did not find any exemplary projects in fiscal year 1985.

## A P P E N D I X   A

# SUMMARY: FY '85 FEDERAL PROJECTS

BASIC GRANT  
SUBPART 2, SECTION 120

\*Includes indirect costs  
\*\*\$4500 = D287; \$500 = Displaced Homemaker (DH05)

DISADVANTAGED	DESCRIPTION	GRANT	MATCH	TOTAL BUDGET	TOTAL AWARDED	ACTUAL MATCH	TOTAL PROJECT \$	TARGET POP.	ACTUAL POP.
The Living Office 85-6004-03-20-16-0273 Mountain View School Helena	Project funds will purchase 8 computers and provide operating funds for a course which will teach modern office skills to incarcerated female juveniles.	27,976	37,251	65,227	24,565.08	37,251	61,816.08	35-50 stud.	30 stud.
Alternative Education 85-4706-03-20-17-0274 Butte School District 1	District 1 will develop an alternative educational program for high school drop-out students to enable them to return to high school or enroll in a Vo-Tech school. A teacher will be hired.	33,982	33,982	67,964	33,982	33,928	67,910	96 stud.	30 stud.
Pilot Program for Poverty Stricken Young Adults in Agriculture 85-5703-03-20-17-0275 Montana State University, Bozeman	The project will identify Vo-Ag programs in five poverty areas and assist Vo-Ag teachers meet educational needs of young employed adults whose net income is below poverty level. MSU will provide equipment and other resources to pilot sites.	26,841	26,841	53,682	24,609.47	26,298.99	50,908.46	25 stud.	242 stud.
Computer-Assisted Instruction Compassing Vo-Td Programs 85-0704-03-20-16-0276 Cascade Public Schools	Project funds will provide additional material and equipment to help special needs students 1) master basic vocational concepts, 1) use microwave ovens, and 3) use a word processor.	20,500	20,627.41	41,127.41	16,302.65	20,628.00	36,930.65	107 stud.	30 stud.
Welding & Fabrication Training Program for Handi- capped & E.O. Students 85-2702-03-20-16-0277 Troy High School	The project will train 4 physically handicapped or educationally dis- advantaged students for a specific job to qualify for employment in a proposed local manufacturing firm.	19,503	29,415	48,918	19,041.50	29,985.26	49,026.76	4 stud.	16 stud.
Tape Cassette Learning Center Program 85-3502-03-20-16-0279 Winnett Public Schools	This industrial arts program consists of 1) a tape cassette learning center program and 2) a vocational career guidance program - both for learning disabled students.	8,556	36,625	45,181	8,556	36,625	45,181	20 stud.	11 stud.
Secretarial Training Program 85-5904-03-20-18-0280 Salish Kootenai College Pablo	The college will hire 14 staff and purchase typewriters to conduct secretarial and business classes for disadvantaged students. Project will include counseling and job seeking skills.	36,866	37,964	74,830	36,718.94	40,299.00	77,017.94	18 stud.	26 stud.
Secretarial Admin/Science Program 85-5905-03-20-17-0282 Blackfeet Community College Browning	Funds will hire an instructor and purchase equipment to conduct a beginning secretarial science/administration program for 15 disadvantaged students. The project will include job placement assistance.	36,085	36,292	72,377	36,085	36,292	72,377	35-40 stud.	30 stud.

Report satisfactory. Note discrepancy in target student population.

	24,200	25,851	50,051	(awarded) 24,171.00	(march) 28,840.00	(total) 53,011.00	(Target) 15-20 stud	(Actual) 31 stud.
Police Science Enforcement Training Program 85-5907-03-20-18-0284 (Northern Cheyenne) Oull Knife Memorial College Lane Deer	The college will hire an instructor for a police science/law enforcement program. Students completing the program will be prepared for the occupation of law enforcement officer.	Reports objectives met; 10 students employed						
Provocational Pilot Program 85-6103-03-20-17-0285 Missoula Vo-Tech	This fourth year project provides basic academic skills and guidance (including computer-assisted) for high-risk students prior to program entrance. Funds provide project director and three computers.	(?) Report consists of prediction statistics.	39,320.46	45,788.82	85,109.28	176 stud.	88 stud.	
Introduction to Computer Word Processing for the Displaced Homemaker 85-6260-03-20-18-0286 Missoula YMCA (Women in Transition)	Program participants will learn to use a microcomputer for word processing. Project funds will purchase 2 computers, software and accessories. (Part of a project to train displaced homemakers to enter the job market.)	Ray Brown: objectives not met.	6,075.84	6,905.98	13,592.78	40 stud.	8 stud. (D.H.)	
Career Development Training for Displaced Homemakers 85-6269-03-20-18-0287 Billings Womens' Center	Project funds will equip a career development training class for displaced homemakers. Students will have access to computer, typewriter and video equipment for self-evaluation and skill development. ** includes DH05	Report objectives met.	5,000**	5,000.00	10,000.00	108 stud.	169 stud.	
Computer Literacy Course for Development of Pre-Employment Skills and Job Readiness 85-6265-03-20-18-0288 Career Consultants, Helene (Career Training Institute)	30 to 50 displaced homemakers will be offered an adult computer literacy course. The project includes inservice training for course instructor(s).	Objectives met; results questionable.	7,000	7,012.13	14,010.10	30-50 stud.	34 stud. (D.H.)	
Proposal for Computer Services 85-5803-03-20-18-0289 Career Development Program Miloe Community College, Miloe City	Project funds will purchase computer and software to assist displaced homemakers with 1) job readiness skills and 2) career counseling.	O.K., except didn't purchase word processing or spread sheet.	7,059	8,660	15,719	7,034.77	24 stud. (D.H.)	
Homemaker-Hom Health Aide Training for Displaced Homemakers 85-5802-03-20-18-0292 Women in Transition Flathead Valley Community College Kalispell	Project funds will augment the displaced homemaker program. 10 students will receive stipends. The training course will increase homemaking skills and prepare students to be home care aides.	10 stud. enrolled; 7 completed; 3 placements.	7,000	9,827	16,827	6,233.83	10 stud. (D.H.)	
Personal Development of Displaced Homemakers 85-6272-03-20-18-0293 District VI HRDC Lewistown	In addition to the HRDC Displaced Homemaker Program consists of 5 personal skills workshops for 90 participants.	Report objectives met,	5,000	5,064	10,064	3,887.47	96* stud. (D.H.)	

\*duplicated count?







			(awarded)	(match)	(total)	(target)	(actual)
Classroom Aides for Handicapped Students 85-1522-04-19-16-H264 Whitefish Schools	Project funds will hire 2 aides to assist handicapped students in their vocational classes.	22,376 22,376 44,752 No report. No evaluation.	18,474.00	22,376.00	40,850.00	28 stud.	17 stud.
Vocational Special Needs Coordinator and Job-Site Trainer 85-2502-04-19-16-H265 Helena Special Education	A vocational special needs coordinator and a job-site trainer will be employed to operate a comprehensive vocational training program including on-the-job training, job simulations, job preparation, contracted services and an industrial arts class. (continuation)	39,315 48,760 88,075 Overall good. 6 goals not met.	39,315.00	48,760.00	88,075.00	86 stud.	34 stud.
Restaurant Skills Vocation Program (Special Needs) 85-1505-04-19-16-H266 Flathead High School Kalispell	This project is an expansion of a program to train handicapped students in higher level jobs in food service industries by operating a restaurant at Flathead High School.	16,482 21,168 37,650 12 of 13 students placed (90%).	14,397.47	21,168.00	35,565.47	20 stud.	12 (13?) stud.
Transition from High School 85-1505-04-19-16-H267 District 5 Special Services Kalispell	District 5 will contract with Flathead Industries to provide part-time training for handicapped high school seniors. Students will live part-time in group homes or apartments. Includes planning for after graduation.	3,870 6,783 10,653 Two students placed.	3,870.00	6,783.00	10,653.00	16 stud.	2 stud.
Rural Alternative for Vocational Education Phase IV 85-0703-04-19-16-H268 Northcentral Learning Resources Center Great Falls	This 4th year project has 2 components: 1) to design a basic skill curriculum for employment and independent living for handicapped students, and 2) on-the-job training and cooperative employment in the school and in the rural community.	<del>35,000 35,000 70,000</del> 35,723 49,991 85,714 Evaluation: objectives met.	35,300.90	49,991.00	85,291.90	85 stud.	no info.
On-The-Job Training Placement Model for Mentally Handicapped Individuals 85-6271-04-19-16-H269 Association for Retarded Citizens, Seattle, Washington	Project funds will pay for a Job Placement Specialist in Montana to locate placements for on the job training for the mentally handicapped. (18 placements supported by Department of Labor funding.)	27,183 16,750 43,933 Project in operation; no other results reported.	25,864.02	0?	25,864.02?	25 adults	24 adults
Individualized Video Instruction for Mainstreamed Handicapped Students 85-1203-04-19-16-H270 Anaconda Public Schools	The Industrial Arts teacher at Anaconda High School will purchase videocassettes and projectors to serve as instructional aids for mainstreamed handicapped students.	4,500 5,000 9,500 Materials purchased.	4,500.00	5,500.00	10,000.00	75 stud.	42 stud.
Electronic Typewriter Program Enhancement for the Handicapped 85-2502-04-17-16-H271 Helena High School	Project funds will purchase 2 electronic typewriters and 2 transcribing machines for use with 2 handicapped students in high school Office Procedures 1 class.	4,412 4,560 8,972 Equipment purchased; evaluation on file.	4,412.00	4,560.00	8,972.00	2 stud.	2 stud.

		(awarded)	(match)	(total)	(target)	(actual)
General School Access 85-6101-04-19-17-H273 Great Falls Vo-Tech Center	Project funds will install automatic door openers for handicapped students at Great Falls Vo-Tech.	2,350	2,350	4,700	n/a	n/a
General School Access 85-6103-04-19-17-H274 Billings Vo-Tech center	Project funds will install automatic door openers for handicapped students at Billings Vo-Tech.	<del>2,700</del> 2,700	<del>2,700</del> 2,700	<del>5,400</del> 5,400		
Project "TEC" (Training, Experience, Careers): 4th Year 85-1203-04-19-16-H275 Anaconda Schools	Project funds will be used to hire a special needs counselor who will develop computer assisted instruction in career and vocational education. (4th year of project.)	34,644	38,029	72,673	35-40 stud.	25 stud.
SUBTOTAL		254,388.00	288,593.00	542,981.00	271,737.00	516,496.39

BASIC GRANT  
SUBPART 2, SECTION 120

\*Includes indirect costs

CIP	APPRENTICESHIP	DESCRIPTION	GRANT	MATCH	TOTAL BUDGET
46.0503	Pipefitter Apprenticeship Program A 108 D Billings District 2	432 hours @ \$8.22	3,551.04	89,071	92,622.04
48.0506	Sheet Metal Workers A 112 D Billings District 2	432 hours @ \$8.22	3,551.04	40,797	44,348.04
46.9999	Ironworkers A 109 D Billings District 2	432 hours @ \$8.22	3,551.04	44,369	47,920.04
48.0506	Carpentry Apprenticeship A 110 D Billings District 2	288 hours @ \$8.22	2,367.36	23,267	25,634.36
48.0503	Machinists A 133 D Butte Vo-Tech	288 hours @ \$8.22	2,367.36	1,147	3,514.36
48.0506	Sheet Metal Workers A 134 D Butte Vo-Tech	144 hours @ \$8.22	1,183.68	7,208	8,391.68
46.9999	Ironworkers A 140 D Butte Vo-Tech	432 hours @ \$8.22	3,551.04	2,295	5,846.04
48.0506	Sheet Metal Workers A 117 D Great Falls	144 hours @ \$8.22	1,183.68	10,763	11,946.68

47.0604	Auto Mechanics A 118 D Great Falls	60 hours @ \$8.22	493.20	1,713	2,206.20
48.0503	Mechinists A 119 D Great Falls	60 hours @ \$8.22	493.20	1,994	2,487.20
47.0603	Auto Body A 120 D Great Falls	60 hours @ \$8.22	493.20	1,147	1,640.20
46.0503	Plumbers A 1230 Great Falls	432 hours @ \$8.22	3,551.04	20,945	24,496.04
46.0408	Painters A 124 D Great Falls	144 hours @ \$8.22	1,183.68	4,532	5,715.68
46.0408	Painters (Statewide) A 141 D Great Falls	204 hours @ \$8.22	1,676.88	1,147	2,823.88
46.0302	Electricians (Statewide) A 143 D Great Falls	720 hours @ \$8.22	5,918.40	9,710	15,628.40
46.0201	Carpenters (Statewide) A 101 D Helene District 1	1152 hours @ \$8.22	9,469.44	38,364	47,833.44
49.0202	Operating Engineers A 105 D Helene District 1	432 hours @ \$8.22	3,551.04	35,235	38,786.04
47.0604	Auto Body/Mechanics A 142 D Helene District 1	144 hours @ \$8.22	1,183.68	570	1,753.68
47.0501	Power Plant Operators A 125 D Miles Comm College	432 hours @ \$8.22	3,551.04	17,779	21,330.04
47.9999	Power Plant Mechanics A 126 D Miles Comm College	432 hours @ \$8.22	3,551.04	12,302	15,853.04
48.0406	Sheet Metal Workers A 129 D Missoula County High School	144 hours @ \$8.22	1,183.68	2,686	3,869.68
46.0503	Plumbers/Pipefitters A 136 D Missoula County High School	144 hours @ \$8.22	1,183.68	2,418	3,601.68
46.0201	Carpentry A 137 D Sallish Kootenai College, Pablo	144 hours @ \$8.22	1,183.68	37,073	38,256.68
SUBTOTAL			59,973.12	406,532	466,505.12

BASIC GRANT  
SUBPART 2, SECTION 120

DISPLACED HOME-MAKER

Computer Training for  
Displaced Homemakers  
85-6264-01-27-18-DH06A  
Gallatin Council on  
Health and Drugs  
Women in Transition  
(Bozeman)

Support Group for Men  
in Transition  
85-6264-01-27-18-DH06B  
Gallatin Council on  
Health and Drugs  
Women in Transition  
(Bozeman)

DESCRIPTION	GRANT	MATCH	TOTAL BUDGET	TOTAL AWARDED	ACTUAL MATCH	TOTAL PROJECT \$	TARGET POP.	ACTUAL POP.
Women in transition will provide instruction in word processing on a microcomputer to displaced homemakers (includes recruitment and small grants for child care and transportation).	3,840	5,069	8,909	3,840.00	5,069.00	8,909.00	400+ stud.	44 stud.
Women in transition will schedule a series of group meetings for unemployed and/or single parent males; (includes job placement and follow-up).	2,166	3,504	5,670	2,166.00	3,504.00	5,670.00	25 adults	6 adults
(DH05: See Basic Grant, Disadvantaged Project 0287)								
SUBTOTAL	6,006	8,573	14,579	6,006.00	8,573.00	14,579.00		

PROGRAM IMPROVEMENT  
SUBPART 3, SECTION 130

CURRICULUM DEVELOPMENT

The Computer as a Home  
Appliance Tool  
85-2502-05-23-16-C625  
Capital High School, Helena  
Home Economics

Co-Op Handbook (Update)  
85-5703-05-23-16-C626  
Montana State University  
Bozeman (Distributive  
Education)

Entrepreneurship  
85-6259-05-23-16-C627  
Montana Association of  
Marketing Educators, Helena  
(Distributive Education)

DESCRIPTION	GRANT	MATCH	TOTAL BUDGET	TOTAL AWARDED	ACTUAL MATCH	TOTAL PROJECT \$	TARGET POP.	ACTUAL POP.
Home economics students will be taught to use computers for household management and for home economics-related careers.	9,000	15,355	24,355	8,986.64	15,355.00	24,341.64	501 stud.	220 stud.
83.9% of students showed some increase in correct responses.								
The project director will revise and update the co-op handbook used in training teachers of co-op education.	3,999	0	3,999	3,394.00	0	3,394.00	n/a (15-20 coords.)	n/a
Handbook revised, Legal documents pending.								
The project will purchase entrepreneurship curriculum materials and distribute them to 25 MDE secondary and postsecondary programs.	3,200	0	3,200	3,200.00	0	3,200.00	n/a (25 instructors)	n/a
Materials purchased and distributed to 17 secondary and 3 postsecondary MDE programs. No evaluation.								

	(awarded)	(match)	(total)	(target)	(actual)
MSU, with the assistance of Vo-Ag teachers, will develop four instructional units for secondary Vo-Ag teachers. The units will be published and submitted to OPI for review.	2,000	0	2,000	75-80 instructors	n/a
The project will print 500 copies of the new curriculum guide. At 6 regional workshops, industrial education teachers will discuss classroom use of the guide.	3,500	0	3,500	120-180 instr.	106 instr.
MSU will purchase and pilot test the CADDO hardware and software. MSU will then promote CADDO at a series of inservice workshops at selected high schools.	2,100	0	2,100	99 instr.	8 instr.
The Vo-Tech Center will purchase satellite broadcast equipment and make educational programs available to personnel in local agencies.	9,701	0	9,701	(Great Falls Area)	
University of Montana will facilitate a planning workshop for educators and community leaders in economically depressed areas in western Montana. Participants will propose community programs.	6,000***	0	5,998.39	65 instr, admin, other,	not reported
MSU will develop a consumer and home-making curriculum for distribution to Montana home economics teachers.	10,925***	0	10,898.88	209 (all H.E. Instr) H.E. Instr)	209 (all H.E. Instr)
Curriculum revised, but not according to original plan.					
<b>***Section 150, Consumer Homemaking</b>					
50,425	15,355	49,753.48	15,355.00	65,108.48	
SUBTOTAL					

\*\*\*Section 150, Consumer Homemaking

50,425	15,355	65,780	49,753.48	15,355.00	65,108.48
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PROGRAM IMPROVEMENT SUBPART 3, SECTION 130						
<u>GUIDANCE</u>	<u>DESCRIPTION</u>	<u>GRANT</u>	<u>MATCH</u>	<u>TOTAL BUDGET</u>		
Montana Career Information System 85-6250-06-21-17-C730 Montana University System (Helena)	Project funds will update and maintain the MCIS; provide information to update VECW occupational descriptions; and train MCIS site coordinators.	40,000	0	40,000.00	0	40,000.00
						(6000)
						(stud?)
						MCIS Sites



	(awarded)	(match)	(total)	(target)	(actual)
6,529	6,530	13,059	6,529.00	5	0 staff
Accomplishments?? No mention of staff trained.			13,059.00	staff	23 clients
No evaluation.					
<b>SUBTOTAL</b>	<b>46,529</b>	<b>6,530</b>	<b>53,059</b>	<b>46,529.00</b>	<b>53,059.00</b>

Project funds will purchase a computer and software, and train staff to assist displaced homemakers to find jobs (CHIPS) and to develop personnel profiles (Performsx).

SUBTOTAL

PROGRAM IMPROVEMENT  
SUBPART 3, SECTION 130

TEACHER DEVELOPMENT

DESCRIPTION

TOTAL  
BUDGET

MATCH

GRANT

Development of Programs for Youth Leadership  
85-5703-05-24-21-1865  
Montana State University  
Bozeman (Home Ec)

Ten to 15 home economics teachers will revise the FHA/HERO handbook. Technical assistants will plan and implement FHA/HERO youth programs and provide technical assistance for proficiency events.

2,000 2,000 4,000  
Report objectives met.

4,260.16

all FHA/  
HERO adv. (90)

Back to Industry/Business Professional Development Proposal  
85-6268-05-24-21-1866  
ECO Northwest, Helena

This project will fund professional development grants to Vo-Td teachers, counselors and administrators. Grantees will receive training from business or industry or through university sponsored workshops.

43,300 7 43,300  
24 grants approved; one cancelled.

35,486.80

30 inst,  
cnslr, involved  
admin. 170

State Leadership Conference  
85-5703-05-24-22-1867  
Montana State University  
Bozeman

MSU will use grant funds to plan and conduct a 2-day leadership development conference for vocational educators.

26,000 0 26,000  
Conference was held.

23,456.40

250 instr, 256 instr,  
admin. admin

Preservice & Inservice Agriculture Teacher Education Program  
85-5703-05-24-21-1868  
Montana State University  
Bozeman

MSU will conduct workshops for Vo-Ag teachers and Ag-Td students, and leadership training for FFA officers. All first year Vo-Ag teachers will be visited. MSU will train master teachers to better supervise student teachers.

8,000 8,000 16,000  
Report objectives met.

7,377.22

311 instr.  
1050 c.800  
stud. stud.

MOE Regional Workshops  
85-6270-05-24-16-1869  
Montana State University  
Bozeman (D.E.)

MSU will conduct and/or coordinate three MOE conferences and conduct a spring inservice and preservice MOE workshop.

2,000 0 2,000  
Inservice/preservice wkshp. not held; provided 2 wkskps. and 2 conference coordinations.

1,993.90

500 stud, 425 stud.  
30-35 teach.

Utilization of Student Leadership Activities in Industrial Education  
85-  
-1870  
Cut Bank High School

~~2,000~~ 0 ~~2,000~~  
(transferred to JTPA)





PROGRAM IMPROVEMENT  
SUBPART 3, SECTION 130

HANDICAPPED	DESCRIPTION	GRANT	MATCH	TOTAL BUDGET	TOTAL AWARDED	ACTUAL MATCH	TOTAL PROJECT \$	TARGET POP. 10 stud.	ACTUAL POP. 13 stud.
Vocational Site Exploratory Program 85-3202-04-19-16-H330 Missoula County High School	Project funds will provide a work-study coordinator for high school junior and senior handicapped students. The coordinator will also teach vocational readiness classes. Training sites will be developed. Students will be trained at identified sites.	38,040	38,750	76,790	38,040.00	39,768.00	77,808.00		
Accommodation of Special Needs Students in Vocational Classrooms 85-5703-05-19-17-H331 Montana State University Bozeman	MSU will conduct workshops for teachers of handicapped Vo-Ed students. The major project activity is continued development of computer software programs to be used to plan classroom instruction.	14,861	14,861	29,722	14,229.01	23,490.90	37,719.91	n/a	n/a
Accommodation of Special Needs Learners in Vocational Home Economics Classrooms 85-5703-05-19-17-H332 Montana State University Bozeman	Project funds will develop a vocational home economics component for computer assisted planning system (see H331).	12,695	12,695	25,390	11,770.64	11,777.89	23,548.53	n/a	n/a
		65,596	66,306	131,902	64,039.65	75,036.79	139,076.44		
	SUBTOTAL								

PROGRAM IMPROVEMENT  
SUBPART 3, SECTION 130

DISADVANTAGED	DESCRIPTION	GRANT	MATCH	TOTAL BUDGET	TOTAL AWARDED	ACTUAL MATCH	TOTAL PROJECT \$	TARGET POP. 10 stud.	ACTUAL POP. 13 stud.
Vocational Agriculture for Montana's Native American Students 85-5703-05-20-17-D376 Montana State University Bozeman	Project funds will be used to prepare instructional units for first year Native American Vo-Ag students. Computer-assisted instructional packages will accompany units.	23,121	23,121	46,242	22,842.28	28,172.73	51,015.01	n/a	n/a
Mainstreaming in Distributive Education 85-5703-05-20-17-D377 Montana State University Bozeman	MSU will prepare materials to show how mainstreaming occurs in the distributive education curriculum. MSU will conduct inservice training for vocational teachers.	21,229	21,229	42,458	21,203.84	21,286.97	42,490.81	n/a	n/a



ADDED PROJECTS	DESCRIPTION	GRANT	MATCH	TOTAL BUDGET	TOTAL AWARDED	ACTUAL MATCH	TOTAL PROJECT \$	TARGET POP.	ACTUAL POP.
BASIC GRANT									
120 Handicapped:									
Provide an Interpreter for Students with Hearing Loss. 85-6101-04-19-17-H276 Gr. Falls Vo-Tech Ctr.	Funds will hire an interpreter for 4 deaf students.	9,284	9,362	18,646	700.00	2,356.00	3,056.00	4 stud.	1 stud.
PROGRAM IMPROVEMENT									
Sec. 130, Guidance:									
Ovis Testing Project 85-0805-06-21-16-G732 Big Sandy High School	Administer vocational interest survey to all 9-11 (actually 9-12) grade students.	514	0	514	511.43	0	511.43	106 stud.	106 stud.
Ovis Testing Project 85-3004-06-21-16-G733 White Sul. Spgs. H.S.	Administer vocational interest survey to 95% of grades 7, 9 and 11.	664	0	664	498.00	0	498.00	63 stud.	62 stud.
Ovis Testing Project 85-2405-06-21-16-G745 Polson High School	Administer vocational interest survey to all 10 & 11 grade students.	1,110	0	1,110	852.97	0	852.97	167? stud.	167 stud.
Ovis Testing Project 85-0513-06-21-16-G746 Fromberg High School	Administer vocational interest survey to 90% of 9,10,11 and 12th grade students.	420	0	420	420.00	0	420.00	? stud.	75 stud.
Ovis Testing Project 85-0702-06-21-16-G747 Great Falls High School	Administer vocational interest test to 75% of 10th grade students.	4,402	0	4,402	3,607.50	0	3,607.50	? stud.	762 stud.
Career Assessment Center (equip.) 85-6101-06-21-G750 Gr. Falls Vo. Tech	Purchase Valpar International Microcomputer eval. & screening assessment equipment.	11,000	-	11,000	10,956.65	0	10,956.65	n/a	n/a
Ovis Testing Project 85-3403-06-21-16-G749 Park H.S. (Livingston)	Administer vocational interest survey to 90% of 10th grade students.	854.75	0	854.75	750.61	0	750.61	? stud.	131 stud.

Survey administered to more than 90% of 10th grade.  
Plan follow-up pending funds.

ADDED PROJECTS	DESCRIPTION	GRANT	MATCH	TOTAL BUDGET	TOTAL AWARDED	ACTUAL MATCH	TOTAL PROJECT \$	TARGET POP.	ACTUAL POP.
Subpart 3, Section 130									
<u>TEACHER DEVELOPMENT</u>									
Industrial Education	M.S.U. will conduct 2 inservice training workshops: 1) Operation and service to electrical components of carbureted engines; 2) I.A. professional and technical update "conference."	4,669.00	4,669.00	9,338.00	4,608.47	5,476.72	10,085.19	45-60 Instr.	53 Instr.
Inservice	Both workshops held, but C.A.D. training not conducted by Ford and/or G.M. as planned.								
85-5703-05-24-22-T874									
M.S.U.									
<u>PROGRAM IMPROVEMENT</u>									
<u>Sect. 130, Guidance</u>									
Ovis Testing Project	Laurel will administer vocational interest survey to 100% of 10th and 11th graders.	1,224.00	0	1,224.00	1,153.46	0	1,153.46	?	?
85-5607-06-21-16-G748									
Laurel H.S.									
<u>GUIDANCE</u>									
85-XXXX-06-21-16-G751	Students at 41 high schools and community colleges will receive career guidance through MCIS, Guidance staff at each will receive training.	29,623.12	0	29,623.12	27,926.64	0	27,926.64	?	?
MCIS									
Using the Montana Career Information System in the Career Guidance Process.									
85-2706-06-21-16-G744	Administer Vocational Interest survey to 100% 10th & 11th grade students.	496.00	0	496.00	496.00	0	496.00	?	?
Ovis Testing Project	Results unknown.								
Lincoln Co. H.S. Eureka									
<u>TEACHER DEVELOPMENT</u>									
85-5704-05-24-22-T867A	U. of M. will plan the 1985 Leadership Conference.	2,300.00	0	2,300.00	2,226.48	0	2,226.48	na	na
U. of M.									
Planning for Leadership Development	Conference was planned.								
		66,560.87	14,031.00	80,591.87	54,703.21	7,832.72	62,540.93		
		1,116,521.71	941,149.12	2,057,670.83	1,047,739.49	900,597.91	1,948,377.40		
(TOTALS DO NOT INCLUDE APPRENTICESHIP)									

Institutions involved with project 85-xxxx-06-21-16-G751.

Staff members, primarily the counselors, all participated in the training. Training was accomplished at six sites throughout the state. At the time of the written reports, there were not too many schools reporting the student benefits of the Montana Career Information System. All the cooperating schools did indicate that students would benefit from the training and materials.

<u>Institution</u>	<u>Approved Amount</u>	<u>Final Expenditure</u>	<u>Students</u>
Plains HS	526.16	526.16	
Park HS (Livingston)	834.00	834.00	
Conrad HS	527.72	514.22	155
Valier HS	771.50	-0-	dropped
Roundup HS	1070.00	1070.00	
Dull Knife CC	826.30	811.80	
Lincoln Co. HS	829.16	814.66	
Bigfork HS	775.04	771.54	
Belgrade HS	537.60	537.60	41
Billings HS	1877.60	1856.00	
Butte East JHS	801.60	801.60	
Hardin HS	805.00	750.00	705
Wibaux HS	808.20	808.20	
Fromberg HS	502.90	502.90	
Malta HS	537.60	486.10	161
Terry HS	535.40	535.40	
St. Regis HS	532.10	-0-	dropped
Judith Gap HS	554.60	540.10	
Billings Central HS	484.20	484.20	
Roberts HS	774.60	771.60	
Cut Bank HS	827.40	827.40	
Denton HS	537.60	526.00	
Saco HS	827.40	812.90	
Park City HS	770.20	770.20	
Willow Creek HS	804.90	793.40	26
Superior HS	813.04	801.54	
Brockton HS	799.40	799.40	10
Peerless HS	629.28	564.00	30
Twin Bridges HS	813.70	813.70	
Hobson HS	535.40	523.90	
Chester HS	759.40	748.00	
Stevensville HS	533.20	521.70	
Custer HS	785.70	785.70	32
Rosebud HS	553.50	538.50	
Great Falls HS	1042.10	1025.00	
Victor HS	811.72	800.22	17
Lodge Grass HS	806.00	806.00	
Salish-Kootenai CC	759.20	755.60	
Winnett HS	814.80	814.00	
Florence-Carlton HS	489.90	489.90	
TOTAL:	29,623.12	27,926.64	1077



